

- Q1
- a) executing micro computer control program for control of computer-display handset unit, wherein said control program accepts user inputs and generates processing outputs, and wherein said computer-display handset unit is adapted to wireless communication with a local communications base unit;
- b) selecting a plurality of computing and communication modes in coordination with said executing micro computer control program step, wherein said modes includes wireless voice, wireless data and conventional computing functions, and wherein said user has options to run these modes roughly simultaneously and said selecting step is manual or automatic;
- ~~2~~ c) controlling said plurality of computer and communications modes under control of said control program, such that multiple functions of said hand held computer-display unit appear roughly simultaneous in operation; and
- d) executing a plurality of programs under control of said control program and controlling step, wherein said plurality of program functions may include such functions as internet browser functions, e-mail functions, voice communications, voice mail, personal productivity functions and telephony functions.
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SUB 43  
23. A method of controlling a computer-display handset unit as recited in Claim 14, in which said computer-display handset unit is primarily a personal digital assistant device.

24. A method of controlling a computer-display handset unit as recited in Claim 14, in which said computer-display handset unit is primarily a cellular phone unit.

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SUB 44  
31. A method of controlling a computer-display handset unit as, recited in Claim 14, in which said controlling of plurality of computer and communications modes step is adapted to communications among multiple computer-display handset units or earset units.

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SUB 45  
40. A method of controlling a computer-display handset unit as, recited in Claim 14, in which said local communications base unit is primarily a portable notebook-like computer system with external communications capability.

41. A method of controlling a computer-display handset unit as recited in Claim 14, in which said computer-display handset unit is adapted to access the Internet.

SUB  
H6  
42. A method of controlling a computer-display handset unit as recited in Claim 14, in which said computer-display handset unit is adapted to hands free speaker phone operation, wherein the user can look at a display screen while speaking toward a microphone at a distance.

43. A method of controlling a computer-display handset unit as recited in Claim 14, in which said computer-display handset unit is adapted to record and playback audio or video content such as music or movies.

SUB  
G3  
44. A method of controlling wireless communication functions of a computer-display handset unit comprising the steps of:

- a) controlling said computer-display handset unit via a microprocessor system, using control program and data stored in memory and other typical microprocessor system components, located in said computer-display handset unit;
- b) formatting data to wireless communication protocols and signals, under control of said microprocessor system, necessary for short distance wireless networking with a local base unit, wherein information can be relayed via cellular RF communication to an external wide area network;
- c) transmitting wireless RF information, under control of said microprocessor system, to said local base unit or a cellular network, and
- d) receiving wireless RF information, under control of said microprocessor system, from said local base unit or a cellular network.

SUB  
G4  
45. A method of controlling wireless communication functions of a computer-display handset unit, as recited in Claim 44, in which said formatting data step includes adapting to networking function among other computer-display handset units.